

HAC Report to FCC

SANYO



FISHER

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Due to the request given by the Federal Communications Commission's (Commission) August 14, 2003, Hearing Aid Compatibility (HAC) Report and Order (WT Docket No. 01-309), Sanyo Electric Co. Ltd. is submitting the following report.

Required Information:

- (1) digital wireless phones tested;
- (2) laboratory used;
- (3) test results for each phone tested;
- (4) identification of compliant phone models and ratings according to ANSI C63.19;
- (5) report on the status of product labeling;
- (6) report on outreach efforts;
- (7) information related to retail availability of compliant phones;
- (8) information related to incorporating hearing aid compatibility features into newer models of digital wireless phones;
- (9) any activities related to ANSI C63.19 or other standards work intended to promote compliance with this Order;
- (10) total numbers of compliant and non-compliant phone models offered as of the time of the report;
- (11) any ongoing efforts for interoperability testing with hearing aid devices.
- (12) feasibility of making 100 percent of handsets capable of meeting the ANSI C63.19 standard.; and
- (13) cost of implementing hearing aid compatibility into the remaining digital wireless phones manufactured, as well as a comprehensive list of all such phones offered at that time.

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Status as of November 19, 2007:

(1)

AEZSCP-56H:	(Model name: SCP-5600)	(Previously reported)
AEZSCP-02H:	(Model name: SCP-200)	(Previously reported)
AEZSCP-23H:	(Model name: SCP-2300)	(Previously reported)
AEZSCP-31H:	(Model name: SCP-3100)	(Previously reported)
AEZSCP-24H:	(Model name: SCP-2400)	(Previously reported)
AEZSCP-84H:	(Model name: SCP-8400)	(Previously reported)
AEZSCP-70H:	(Model name: SCP-7000)	(Previously reported)
AEZSCP-M1:	(Model name: SCP-M1)	(Previously reported)
AEZSCP-7050:	(Model name: SCP-7050)	(New)
AEZSCP-32H:	(Model name: SCP-3200)	(New)
AEZSCP-6650:	(Model name: Katana II / SCP6650)	(New)
AEZSCP-85H:	(Model name: Katana DLX / SCP8500)	(New)
AEZSCP-PRO70	(Model name: PRO-700)	(New)

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AEZSCP-PRO20	(Model name: PRO-200)	(New)
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(2) PCTEST Engineering Laboratory, Inc.

(3)

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AEZSCP-56H:	8/19/2005	Granted	(Previously reported)
AEZSCP-02H:	8/22/2005	Granted	(Previously reported)
AEZSCP-23H:	8/23/2005	Granted	(Previously reported)
AEZSCP-31H:	8/31/2006	Granted	(Previously reported)
AEZSCP-24H:	8/31/2006	Granted	(Previously reported)
AEZSCP-84H:	8/21/2006	Granted	(Previously reported)
AEZSCP-70H:	10/23/200	Granted	(Previously reported)
	6		
AEZSCP-M1:	11/10/200	Granted	(Previously reported)
	6		
AEZSCP-7050:	3/1/2007	Granted	(New)
AEZSCP-32H:	3/7/2007	Granted	(New)
AEZSCP-6650:	5/24/2007	Granted	(New)
AEZSCP-85H:	6/21/2007	Granted	(New)
AEZSCP-PRO70	Passed, Granted day is expected in		(New)
0:	December.		
AEZSCP-PRO20	Passed, Granted day is expected in		(New)
0:	December.		

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AEZSCP-56H:	M4 (RF Emissions)	(Previously reported)	
AEZSCP-02H:	M3 (RF Emissions)	(Previously reported)	
AEZSCP-23H:	M3 (RF Emissions)	(Previously reported)	
AEZSCP-31H:	M4 (RF Emissions), T4 (T-coil Rating)	(Previously reported)	
AEZSCP-24H:	M4 (RF Emissions), T4 (T-coil Rating)	(Previously reported)	
AEZSCP-84H:	M4 (RF Emissions)	(Previously reported)	
AEZSCP-70H:	M3 (RF Emissions), T3 (T-coil Rating)	(Previously reported)	
AEZSCP-M1:	M4 (RF Emissions)	(Previously reported)	
AEZSCP-7050:	M4 (RF Emissions), T4 (T-coil Rating)	(New)	
AEZSCP-32H:	M4 (RF Emissions), T4 (T-coil Rating)	(New)	
AEZSCP-6650:	M4 (RF Emissions)	(New)	(5)
AEZSCP-85H:	M4 (RF Emissions), T4 (T-coil Rating)	(New)	According to
AEZSCP-PRO700:	M4 (RF Emissions), T4 (T-coil Rating)	(New)	FCC part 20.19(f),
AEZSCP-PRO200:	M4 (RF Emissions), T4 (T-coil Rating)	(New)	Sanyo has been implementi

ng the following for the boxes and user guides of HAC compliant handset models.

Box: M and T ratings displayed.

User guide: M and T ratings, explanation of HAC rating system included

(6) Sanyo has not been directly involved in outreach efforts. Sprint/Nextel is the primary US domestic wireless carrier offering Sanyo wireless telephone devices at this time. Sprint/Nextel is working directly with the ATIS Incubator Solutions Program 4, Hearing Aid Compatibility Incubator. Sprint/Nextel are directly involved with the working groups tasked with consumer outreach. Sprint/Nextel also have HAC outreach information available on their website, as well as documentation and training available to sales associates in their retail stores.

(7) The Sanyo SCP-3100, SCP-2400, SCP-8400, SCP-7000 SCP-M1, SCP-7050, SCP-3200,

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Katana II (SCP6650) and Katana DLX (SCP8500) handsets have all been granted as being HAC compliant, and are all available through Sprint retail sales channel.

(8) We are developing two new cellular phones (SCP-3800 and SCP-6750), which incorporate T-coil features in compliance with ANSI 63.19 standard.

(9) As required by FCC, we will ensure that at least 50 percent of our handset offerings for each air interface offered comply with U3 standard, and that at least two hand set models for each air interface offered comply with U3T standard by February 18, 2008.

(10) The number of compliant handset model: nine (9) models:

SCP-3100, SCP-2400, SCP-8400 SCP-7000, SCP-M1, SCP-7050, SCP-3200, Katana II (SCP6650), Katana DLX (SCP8500)

The number of non-compliant handset models offered in the US: two (2) models:

SCP-6600, S1

(11) Sanyo is not directly involved in any ongoing efforts for interoperability testing with hearing aid devices at this time.

(12) Including HAC non-compliant handset models listed in the item (10), factors in performance and physical design may make it impossible for certain handset models to meet U3, U3T standards, depending on product concept (ultra-small or slim type). For handset models of small size, a distance between receiver and antenna is so close that electromagnetic field strength becomes greater at measuring points around the receiver, which makes it impossible to achieve the standards (M3 rating) as required by FCC and carriers. Furthermore, to meet the U3T standard in the magnetic field characteristics as well as audio frequency characteristics, T-coil needs to be at a certain level of size and thickness, which makes its implementation impossible in case that the main body of handset is slim. To clear these factors, considerations are ongoing. However, no prospect of clearing these factors has to date emerged.

(13) Please refer to HAC non-compliant handset models listed in the item (10). As described above, due to the insurmountable technical factors (see the item (12)), as no prospect of clearing these factors has to date emerged, currently the cost of implementation cannot be estimated.

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